

# Review of Biological Organization

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## Understanding Life's Complexity

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on what you learned about the organization of living systems.

1. What is the basic building block of life?

- A. Organ
- B. Tissue
- C. Cell

2. Tissues are made of \_\_\_\_ cells that work together for a specific function.

3. How do organs differ from tissues in biological organization?

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4. Organ systems are made up of organs that work together to support an organism.

- True       False

5. What is the correct order of biological organization from smallest to largest?

- A. Organ, Organ System, Tissue, Cell, Organism
- B. Cell, Tissue, Organ, Organ System, Organism
- C. Tissue, Organ, Cell, Organism, Organ System

6. An \_\_\_\_ is a complete living entity made up of various organ systems.

7. Why is it important to understand the hierarchical organization of living systems?

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8. Cells, tissues, and organs do not work together to form organ systems.

- True       False

9. Which level of biological organization involves similar cells working together?

- A. Organ System
- B. Tissue
- C. Organ

10. How does learning about biological organization help us appreciate God's creativity?

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### Answer Key

1. Cell 2. similar 3. Organs are made of multiple types of tissues that work together, while tissues are made of similar cells with specific functions. 4. True 5. Cell, Tissue, Organ, Organ System, Organism 6. organism 7. Understanding the hierarchy helps us see how complex and interconnected our bodies are. It shows us how different parts work together to maintain life, which is a reflection of God's design. 8. False 9. Tissue 10. Learning about biological organization reveals the intricate design and complexity of life, which points to a Creator who intentionally made everything in detail. It inspires gratitude for how wonderfully we are made.